

Attachment to: OC-M-69- 403

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The following paragraphs are offered for inclusion in Chapter 10 of the Annual Report on Intelligence Information Handling:

1. It has been known for many years that electromechanical equipments often emit spurious radio and acoustic signals when operating. In some instances these signals, or radiations, can be directly related to special functions or processes of the machinery. If this machinery processes classified information, it is often possible to intercept, analyze and recover the classified data from these signals. The security implications are obvious, especially where the U. S. can directly control only a limited area surrounding its classified data processors.

2. CIA is examining this problem for many classes of machines and emphasis is being placed specifically on computer type systems. The goal is to provide effective countermeasures which will eliminate this special security hazard and to encourage manufacturer design of technically secure equipment.